55. (New) The assembly of claim 52, wherein the interventional device is disposed at a distal end of a second elongated catheter shaft contracted to be inserted through a working channel of the endoscope.

REMARKS

This Preliminary Amendment is being submitted to claim priority to application serial no. 08/679,425, which is allowed, and to cancel claims 1-35. Applicants hereby add claims 52-55. The claims are fully supported at least at page 7, line 26, to page 8, line 24, and FIGS. 11 and 12. The abstract is hereby amended to conform to 37 C.F.R. § 1.72(b). No new matter is being introduced thereby. Claims 36-55 are currently pending and presented for examination.

Applicants respectfully request entry of this amendment prior to examination of the application on the merits.

Respectfully submitted,

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MARKED UP VERSION OF SPECIFICATION SHOWING AMENDMENTS

The invention relates to an ~~A catheter for diagnosing and performing an interventional procedure on tissue has an elongated catheter shaft, and optical fibers, extending through the catheter shaft, for transmitting light to tissue located at a distal end of the catheter and conveying light back from the tissue for analysis by a spectroscopic diagnosis system to determine whether an interventional procedure should be performed on the tissue. An interventional device is located at the distal end of the catheter for engaging tissue diagnosed by the spectroscopic diagnosis system in order to perform the interventional procedure on the tissue. An~~ assembly for imaging and performing ~~an~~ interventional procedures on tissue and methods for performing the interventional procedures. The assembly includes ~~has~~ an endoscope in combination with an endoscopically insertable catheter having an ultrasound imaging device for imaging a tissue structure located at a distal end of the endoscope ~~so as to enable the depth of penetration of the tissue structure to be displayed,~~ and an endoscopically insertable interventional device for engaging the tissue structure imaged by the ultrasound imaging device. The assembly may also include optical fibers extending through the catheter shaft for transmitting light to tissue located at a distal end of the catheter and conveying light back from the tissue for analysis.